

### **AMENDMENTS TO THE CLAIMS**

1. (Currently Amended) A chamber array arrangement for performing screening assays comprising a container having at least two chambers, wherein in a particular chamber at least one probe carrier in the form of a solid particle having at least one probe associated therewith is present, wherein the probe carrier is essentially freely movable in said particular chamber and wherein the container is provided with a circular bottom having a surface area which is smaller than the bottom surface area of a well of a standard 24, 96 or 384 well microtiter plate.

2. (Original) The chamber array arrangement according to claim 1, said chamber array arrangement further comprising a cover arranged on one or more of said at least two chambers.

3. (Original) The chamber array arrangement according to claim 2, said cover being made from a non-bonding material and allowing to retain said probe or probe pool essentially completely in the respective chamber.

4. (Previously Presented) The chamber array arrangement according to claim 3, said cover being a membrane having a pore size smaller than the size of the probe carrier with the probe attached or of the free probe.

5. (Original) The chamber array arrangement according to Claim 2, said cover being removable or penetrable.

6. (Original) The chamber array arrangement according to Claim 1, said chamber array arrangement further comprising a carrier having a location adapted to receive said container.

7. (Cancelled)

8. (Cancelled)

9. (Cancelled)